Table A6. Approximate Heat Rates for Electricity

(Btu per Kilowatthour)

	Electricity Net Generation			
	Fossil-Fueled Steam-Electric Plants[a,b]	Nuclear Steam-Electric Plants[c]	Geothermal Energy Plants[d]	Electricity Consumption[e]
1973	10,389	10,903	21,674	3,412
1974	10,442	11,161	21,674	3,412
1975	10,406	11,013	21,611	3,412
1976	10,373	11,047	21,611	3,412
1977	10,435	10,769	21,611	3,412
1978	10,361	10,941	21,611	3,412
1979	10,353	10,879	21,545	3,412
1980	10,388	10,908	21,639	3,412
1981	10,453	11,030	21,639	3,412
1982	10,454	11,073	21,629	3,412
1983	10,520	10,905	21,290	3,412
1984	10,440	10,843	21,303	3,412
1985	10,447	R 10,622	21,263	3,412
1986	10,446	R 10,579	21,263	3,412
1987	10,419	R 10,442	21,263	3,412
1988	10,324	R 10,602	21,096	3,412
1989	10,432	R 10,583	21,096	3,412
1990	10,402	R 10,582	21,096	3,412
1991	10,436	R 10,484	20,997	3,412
1992	10,342	R 10,471	20,914	3,412
1993	10,309	R 10,504	20,914	3,412
1994	10,316	R 10,452	20,914	3,412
1995	10,312	R 10,507	20,914	3,412
1996	10,340	R 10,503	20,960	3,412
1997	R 10,213	R 10,494	20,960	3,412
1998	R 10,197	R 10,491	21,017	3,412
1999	R 10,226	R 10,450	21,017	3,412
2000	R 10,201	R 10,429	21,017	3,412
2001	b,R 10,127	R 10,442	21,017	3,412
2002[P]	R 10,106	R 10,442	21,017	3,412
2003[E]	10,106	10,442	21,017	3,412

[a] Used as the thermal conversion factor for hydroelectric, solar, and wind electricity net generation.
[b] Through 2000, heat rates are for electric utilities only. Beginning in 2001, heat rates are for the electric power sector, which comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public.
[c] Used as the thermal conversion factor for nuclear electricity net generation.
[d] Used as the thermal conversion factor for geothermal electricity net generation.
[e] Used as the thermal conversion factor for electricity retail sales, and electricity imports and exports.
P=Preliminary. E=Estimate.
Web Page: http://www.eia.doe.gov/emeu/mer/append.html.
Source: See "Thermal Conversion Factor Source Documentation," which follows this table.